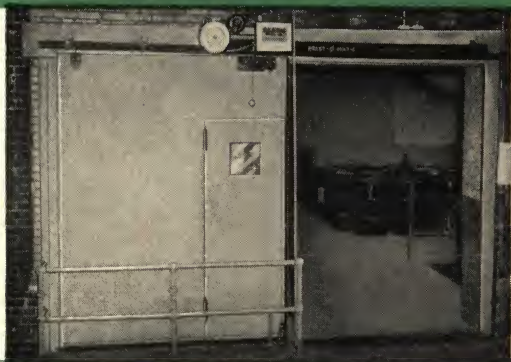




# CLARK

**PREST-O-MATIC® *PACKAGED* industrial doors**  
**complete automatic door assemblies**

**FIRE DOOR OPERATORS • SHOCK ABSORBER DOORS**



A.I.A.—File 16-D

**air or electric powered...**

**easy to install • fast operation**

**long dependable service**



**CLARK DOOR COMPANY, INC. 521 HUNTERDON ST., NEWARK 8, N. J.**



# **PREST-O-MATIC** *packaged industrial doors*

Clark Prest-O-Matic Door Units are self-contained complete automatic door assemblies. They include doors, frame, hardware in place, factory mounted motor operator, all ready to install. Pull cord switches, push buttons or other selected controls, and optional equipment, are supplied as part of the complete integrated unit.

## **ADVANTAGES**

**Expedite Traffic.** Fork trucks or other vehicles proceed without stopping through automatically opening Prest-O-Matic doors. Time saved by truck drivers results in lower dollar costs.

**Save Heat or Air Conditioning.** Loss of heat or air conditioning is reduced to a minimum by fast operating Prest-O-Matic door units. When closed specially designed neoprene gaskets provide extra tight seal.

**Improve Employee Morale.** Prolonged opening of factory doors can often mean a severe hardship to nearby workers. Tests have proven reduction in "open-door-time" on Prest-O-Matic installations of as much as 80%, thus eliminating draft conditions and resultant employee discomfort.

## **AIR OR ELECTRIC OPERATION**

All Prest-O-Matic doors and operators shown in this catalog are available with compressed air or electric motors. Choice is entirely optional and dependent upon local conditions and requirements.

Clark electric operators incorporate fractional horse power motor, geared limit switch, solenoid brake, adjustable safety clutch, pre-wired control box with components of standard manufacture. Explosion proof equipment is available where necessary. Standard models available for 110V SP 60C; 220V SP 60C; 220V 3P 60C and 440V 3P 60C.

Compressed air operators are provided with pistons of adequate size and stroke, and include lubricator, filter, and water trap. Units require minimum pressure of 65 psi and a 110V electric line for connection to 6 Volt transformer supplied with doors. Compressors can be supplied with doors or obtained locally.

Each type operator is factory assembled and ready for power connections, and all features and optional equipment are common for either type of power supply. Drawings showing clearance requirements for electric doors may be used for air powered doors or details will be submitted upon request.

## **FOUR STANDARD MODELS**

- 1** Model BF—Bifold. A four leaf, folding, fast operating door.
- 2** Model BFS—a combination of the Bifold and Sliding Models.
- 3** Model DHS—Double Horizontal Sliding. Two door leafs biparting to each side.
- 4** Model SHS—Single Horizontal Sliding. A single leaf sliding to one side only.

## **FEATURES**

**Controls.** Approach pull cord or push button switches constitute the most widely acceptable type of control. Others such as floor plates, photoelectric cells, and special types to meet unusual conditions are available.

**Door Construction.** Doors are Fir panel construction with wood casings and header. Flush plywood or metal covering obtainable at extra cost.

**Safety Edge.** Optional safety edge automatically opens door upon striking personnel or obstructions during closing cycle.

**Pedestrian Door.** A small hand operated, hinged pass door can be incorporated for use by pedestrians.

**Manual Release.** All doors provide a disconnect device for manual operation in the event of power failure.

## **INSTALLATION**

The speed and ease with which Prest-O-Matics can be installed has drawn praise from plant engineers and contractors on many occasions.

Simple, complete instructions are supplied, and installation is easily and quickly accomplished, usually within a few hours, by an average maintenance crew. The vertical casings and header are fastened with suitable bolts to wood, steel, or masonry walls. No cutting, drilling, or fitting of the doors within the opening is required.

Power supply is connected to electric or air terminals on operator and pull cord switches or other controls placed as desired.

## **GUARANTEE**

Many years of customer experience with Prest-O-Matic Complete Door Units has proven their reliability and satisfactory service in hundreds of installations. Therefore, all Prest-O-Matics are warranted for a period of one year against defective workmanship or materials.

## **PATENTS**

Clark Doors are produced by an organization with a reputation for high quality products, covering a span of over 70 years. (Patent Numbers 2262351, 2472791, 222757, 2134397, 2412871, 2471197. Other patents pending.)



## 1 BIFOLD - MODEL BF

The Bifold Prest-O-Matic Door Unit is a rapid opening door especially suitable to areas where limited sideroom exists.

Consisting of two pairs of hinged door sections, hung on heavy duty ball bearing hinges, each folds to the side when in the open position. Hinges are attached at factory to insure precision fit and save installation time. Neoprene seals are attached to bottom and leading edge and a snug air tight seal is provided. Safety edge and double acting pedestrian door are optional features.

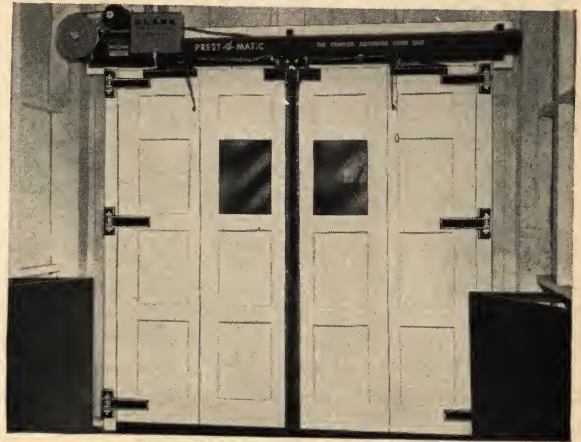
Installation of the Bifold model can be made with as little as  $7\frac{3}{4}$ " sideroom providing a chase is cut in abutting wall to accommodate the door drive bracket located at top of each outside section.

Speed of operation is approximately 2 - 3 feet of opening per second depending upon size and weight of door.

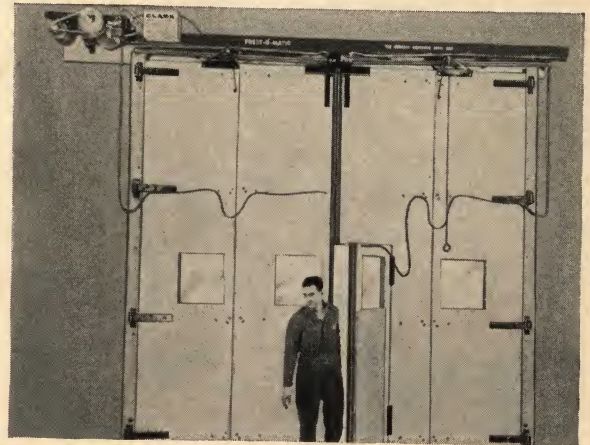
A template is supplied with each Bifold model to locate fastening holes for casings which are predrilled at factory. Bifold models are available for sizes up to 15' by 15' but the larger sizes require additional side room.

## 2 COMBINATION BIFOLD - MODEL BFS

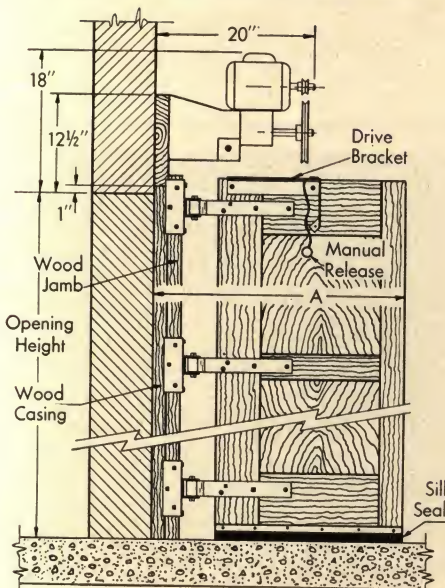
Models BFS Combination Bifold-Sliding consists of Bifold door sections on one side and a sliding door section on the other. This type of door is adaptable to situations where the projecting arc of the Bifold is not desirable on both sides and sufficient room is not available for installation of a double or single sliding door.



Standard Model BF-Bifold unit installed in entrance to tobacco warehouse. Note "funnel type" protective barrier.



Large metal covered Bifold model with pedestrian door and heavy duty electric operator.



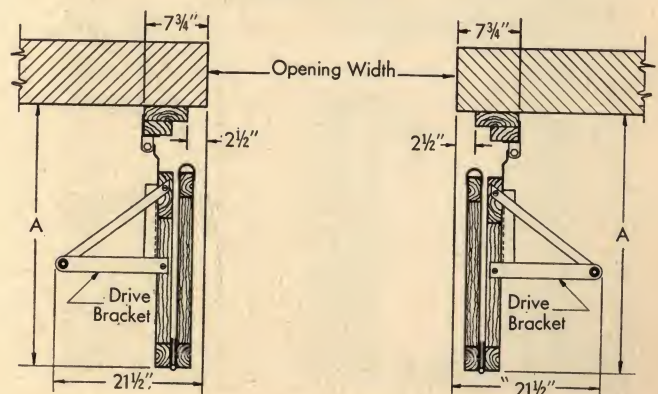
MODEL BF

Dimensions A— $\frac{1}{4}$  opening width plus 9".

Doors larger than 10' x 10' may require additional sideroom.

Two lights clear plain glass included in wood panel doors. If desired otherwise, please specify.

Optional pedestrian door swings on double acting hinges.





## 3 DOUBLE HORIZONTAL SLIDING - MODEL DHS

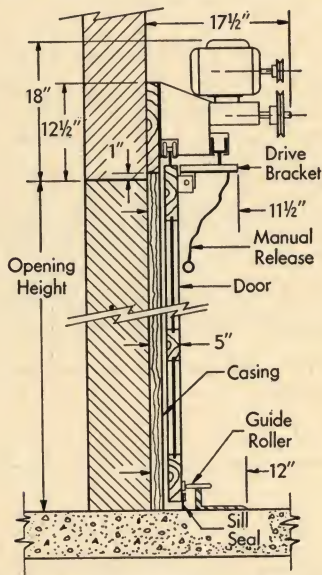
Model DHS (Double Horizontal Sliding) unit consists of two door sections meeting in the center of the opening and sliding on tracks above the doorway to each side. Clear wall space equal to  $\frac{1}{2}$  the opening width, plus 6", is required on each side of the doorway.

Each door is equipped with neoprene seals on the leading, trailing, and bottom edges. These seals are automatically relieved when the door starts its opening cycle. Two guide rollers retain the door sections against the wall. Safety edge and single acting pedestrian door are optional features. Speed of opening and closing is approximately 2' per second.

The Model DHS unit is particularly effective in areas where speed of operation is important and where floor space is limited such as on loading platforms and busy warehouses or production areas.

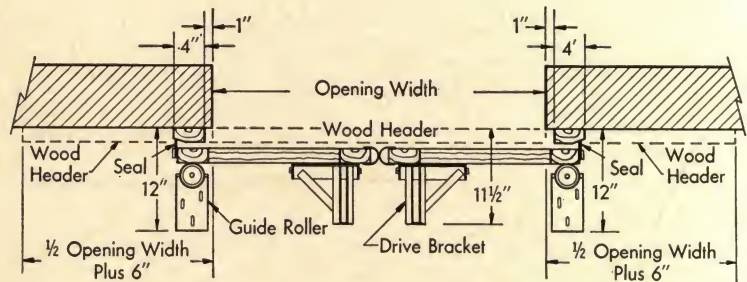


Standard Model DHS unit in food warehouse.  
Note protective barriers.



### MODEL DHS

In cases of restricted headroom write for detailed headroom information. Full 18" shown is not required entire length of header.  
Two lights clear plain glass included in wood panel doors. If desired otherwise, please specify.  
Optional pedestrian door is single acting, opening toward side of wall on which door unit is installed.



Model DHS Prest-O-Matic unit with small manual pedestrian door.



Model DHS occupies little space in congested areas. Safety edge will open door if accidentally closed upon personnel or obstruction.

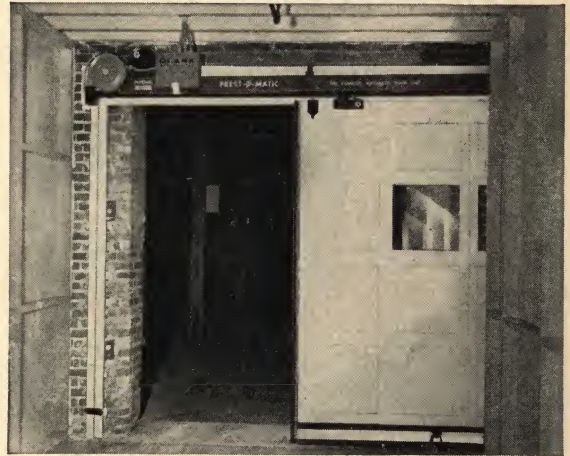


## 4 SINGLE HORIZONTAL SLIDING—MODEL SHS

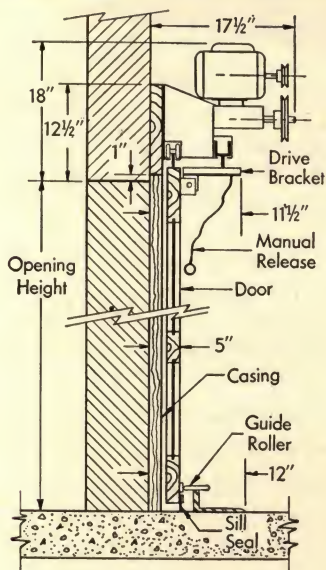
Model SHS (Single Horizontal Sliding) unit consists of a single door section sliding on tracks above the doorway to one side, right or left as specified. Clear wall space equal to the opening width, plus 6" is required on one side and 5" on the opposite side.

Each door is equipped with neoprene seals on the leading, trailing and bottom edges, and a guide roller to retain the door sections against the wall. On large doors, or in openings subject to static air pressure, a traveler guide may be necessary. Speed of opening and closing is approximately 1' per second.

The Model SHS unit is effective in doorways where extra fast operation is not of paramount importance, and where clearance is not available on both sides of the doorway for a double sliding model. Like the Model DHS this door slides close to the wall and frees dock storage or working space for other uses.



Model SHS door slides out of way behind partition.  
Note manual release cord for use in power failure.



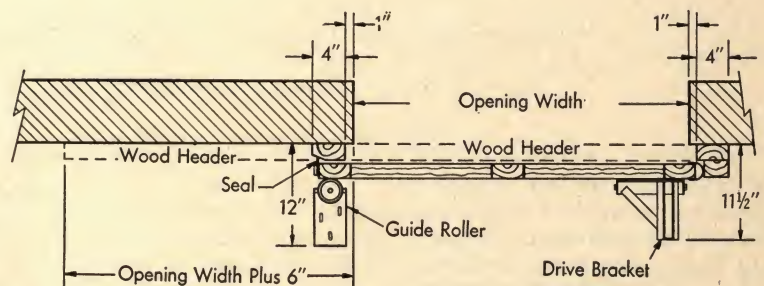
MODEL SHS

Left sliding door is shown; right slide is mirror image.

In cases of restricted headroom write for detailed headroom information. Full 18" shown is not required entire length of header.

One light clear plain glass included in wood panel doors. If desired otherwise, please specify.

Optional pedestrian door is single acting, opening toward side of wall on which door unit is installed.



### to obtain complete information

To obtain a detailed proposal or recommendation on Prest-O-Matic units, it will be helpful if we are provided with the following information:

1. Width and height of opening.
2. Clear wall space each side and above opening.
3. Power supply (Volts-Phase-Cycles, if electric).
4. Is pedestrian door desired?
5. Atmospheric conditions or pressure other than usual.
6. A rough sketch is helpful.

### PREST-O-MATIC SPECIFICATIONS

"Automatic doors shall be Prest-O-Matic Complete Door Assemblies as manufactured by Clark Door Co., 515 Hunterdon Street, Newark 8, N.J." Then indicate on plans or specifications:

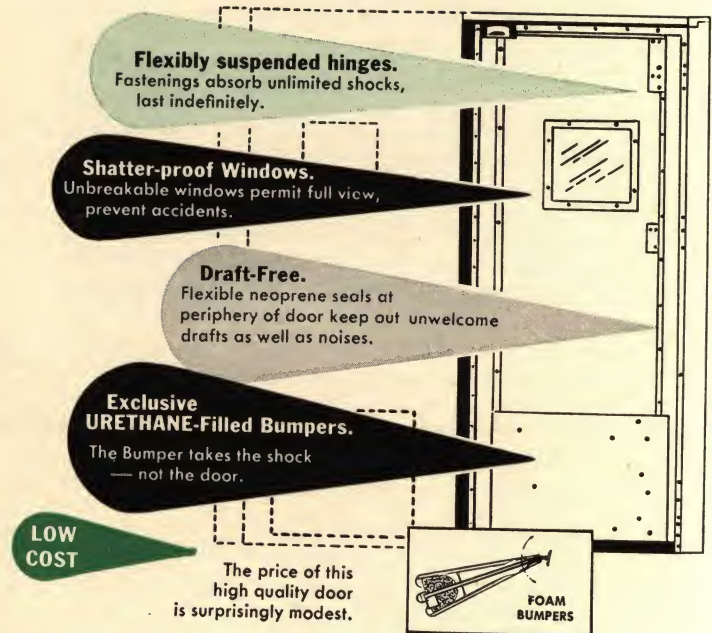
1. Model desired.
2. Door construction—standard wood, or metal covered.
3. Frame construction—standard wood, or metal covered.
4. Opening dimensions—width and height.
5. Power supply.
6. Type and number of controls.
7. Pedestrian door (optional).
8. Safety Edge (optional).
9. Direction of slide to open (Model SHS).



**CLARK**

## shock absorber door

**exclusive**  
**URETHANE-filled BUMPERS**  
absorb the shock



**Shrugs off shocks that wreck ordinary doors.**

**Won't rip, warp or come off the fastenings.**

*Sturdy • lightweight • flexible fastenings.*

This easily installed, self-closing door takes daily pounding in stride. Constant opening by heavy laden fork trucks driven at moderate speeds can't weaken the hinges, the frame or the door itself. Because the trucks never touch the door.

Instead, the full impact is absorbed by the highly resilient flexibly mounted URETHANE Bumpers. Flexible hinge arrangement provides equal distribution of stress through the entire length at either side. Spring return at the door top assures tight, accurate closure after each opening. Spring return is unconditionally guaranteed.

The Clark Shock-Absorber Door comes in a complete, easy to install unit. No extra parts or hardware to buy. The initial cost is the complete cost.

With trucks driven at normal speeds, the Shock-Absorber Door permits hundreds of thousands of openings and closings with no "time-out" for costly repairs. Nothing to tear. No pivots to wear. No spring hinges to replace, no expensive rubber sheeting to rip or blow open.

Available in standard sizes. The Shock-Absorber Door is constructed to fit all standard openings with no sacrifice in quality. Width 6' to 9'  
Height 7' to 10'

### CONSTRUCTION:

#### • urethane-filled bumpers

Special polyurethane formula on heavy steel bumper plate cushions blows. Standard bumpers extend full width of door. 24" in height, bumpers are mounted 2" above floor level.

#### • rigid door

The Shock-Absorber Door is of lightweight, aluminum-covered honeycombed construction.

#### • flexible fastenings

Hinges stay put because stress is uniformly distributed. Guaranteed Spring Return motors return door to closed position at set regulated speed. Motor cable fastens to top leading edge of door.

#### • flexible neoprene seals

The Shock-Absorber Door seals at all edges, assures tight, positive, draft-free closure.

#### • plexiglas windows

Two 14" x 17" shatter-proof Plexiglas windows are provided. Window openings are 5' from floor.



The Prest-O-Matic Electric or Compressed Air powered fire door operator provides a dependable means of converting a standard fire door into an automatically operated door. It is designed for use with standard flat track fire doors, inclined or level track. In the event of fire, when the door has been left in the open position, the Clark Fuse-O-Link disconnect bracket disengages the door from the operator, thus allowing it to close by gravity or weight counterbalance.

## ADVANTAGES

### convenience

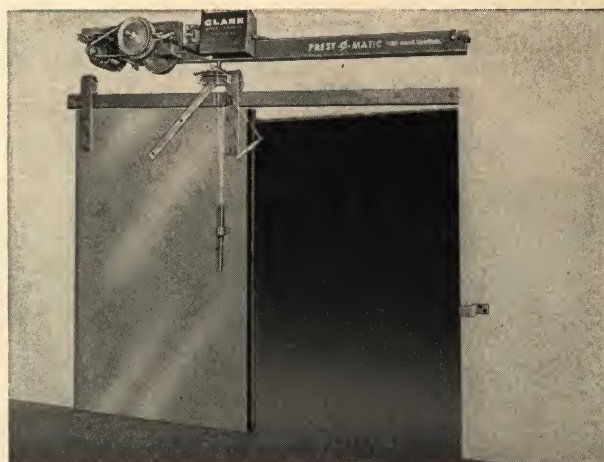
When a Prest-O-Matic fire door operator has been installed, your fire doors are "put to work." You enjoy all the benefits of automatic door operation.

### reduced cost

Power operated fire doors reduce time for fork trucks, dollies, and pedestrians to pass through doorways. Constant drafts on nearby workers are eliminated.

### greater protection

Fire doors left continuously in the open position often are blocked by obstacles or knocked off the track, thus becoming ineffective. Such deficiencies are usually quickly detected when the door is in continual service and thus a Prest-O-Matic operated door is always ready.



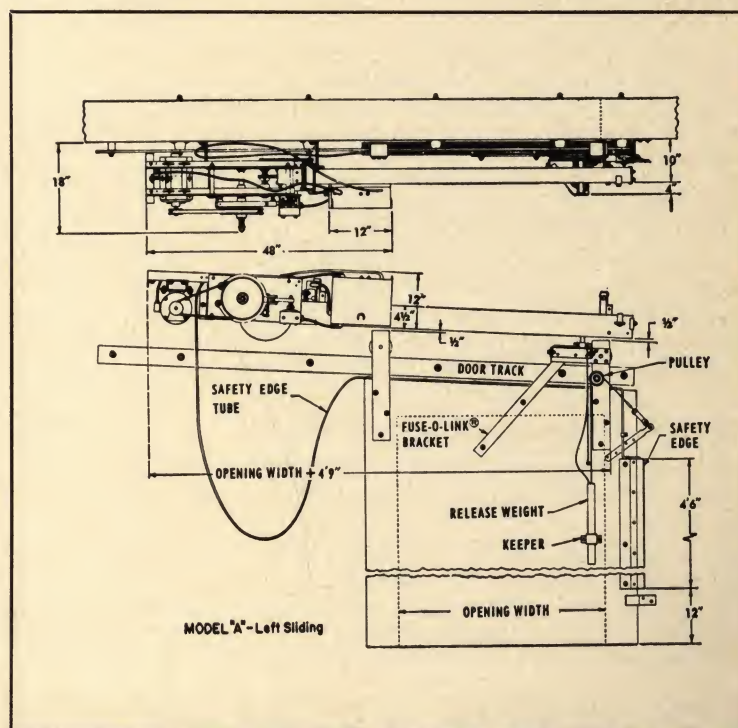
### dependable performance

Prest-O-Matic Air or Electric Operators provide the rugged service required for operations of heavy fire doors. They incorporate the finest precision components and, like standard Prest-O-Matic Industrial Door Units, have developed a reputation for service free operation and freedom from costly maintenance.

## GENERAL INFORMATION

1. Prest-O-Matic Fire Door Operators are supplied factory assembled and ready for fastening to the wall above the fire doors.
2. The unit is fastened to wall with suitable fasteners, such as lag screws or bolts, above the door track. Complete instructions as well as a template for location of bolt holes are supplied. When Fuse-O-Link Disconnect Bracket is attached to the door and power supply and control switches are connected, automatic door is ready for operation.
3. Usual controls are pull cord switches or push buttons, but other types are available. A safety edge kit for fastening to the leading edge of the door can be included, and when thus equipped the door will reverse its travel upon striking a person or obstruction while closing.
4. A simple hand controlled release bracket permits manual operation of the door at any time—especially important in case of power failure.
5. Standard electric models operate on 110V SP 60C, 220V SP 60C, 220V 3P 60C, and 440V 3P 60C. Air operated units require 65 psi air pressure.

Approximately 12" is required above the top of the door hanger bracket for installation. Drawing below illustrates one of four typical standard models available to fit most side and head room restrictions.



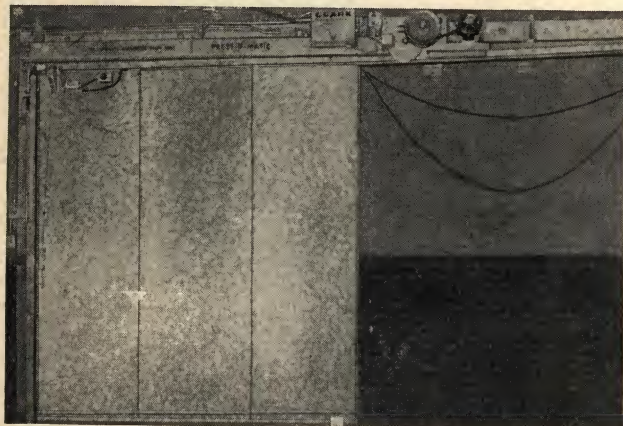


**CLARK** power operated and manual

*cold storage doors*

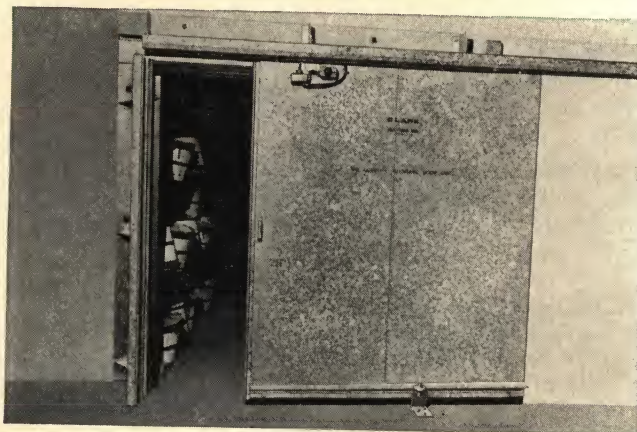
Clark Door Company also manufactures a comprehensive line of automatic and hand operated cold storage doors, a brief description of which is given below. A separate catalog will be sent upon request, or you may refer to Sweet's Architectural File, Catalog #23c/CL.

#### **PREST-O-MATIC-power operated DOORS**



Clark Prest-O-Matic Cold Storage Doors are self-contained complete automatic door assemblies, air or electrically operated. They are available in horizontal or vertical sliding types, and in numerous models to meet temperature requirements ranging from light cooler storage areas to extreme low temperature freezer compartments.

#### **CLARK hand operated DOORS**



Clark Manual Sliding Cold Storage Doors offer a new concept in door design and operation. Sliding quickly and easily to one side, or above the opening, these doors hug the wall and free valuable floor space for useful purposes. Standard models are available for all temperature ranges, and in types suitable to palletized traffic, package passing, milk loading platforms, conveyor or meat rail operations and others.

#### **THE CLARK DOOR COMPANY**

Identified with the industry since 1878 the Clark name represents three generations of experience. Doors and assistance on doorway problems have been provided for thousands of organizations like those listed on this page. The entire Clark staff is dedicated to the manufacture of quality door products, and to research and development in the field of improved doorway methods and construction.

##### **special door problems**

The services of the Clark Engineering Department are at your disposal, and we are glad to offer assistance, whenever possible, in connection with unusual doorway problems. Your inquiry, with details and drawings if available, is invited and will be given prompt attention.

##### **detailed drawings on request**

Enlarged drawings and more detailed information on specific products described herein will be sent promptly upon request.

Due to fluctuation in the availability of materials, and the desire to develop and incorporate improvements, the right is reserved to change materials, details of construction, and specifications without notice.

#### *a few prominent users of* **CLARK DOORS**

- \* Aluminum Company of America
- \* American Stores Co.
- \* Borden Co.
- \* Campbell Soup Co.
- \* Caterpillar Tractor Co.
- \* Continental Can Co.
- \* Dow Chemical Co.
- \* E. I. duPont de Nemours
- \* Finch, Pruyn & Co.
- \* Ford Motor Co.
- \* General Electric Co.
- \* General Motors Corp.
- \* Hoffman-La Roche, Inc.
- \* Horn and Hardart Co.
- \* International Business Machines Corp.
- \* International Harvester Co.
- \* International Paper Co.
- \* Liggett & Meyers Tobacco Co.
- \* Minute Maid Corp.
- \* National Dairy Products Corp.
- \* National Presto Industries
- \* North American Aviation, Inc.
- \* Pittsburgh Plate Glass Co.
- \* Procter and Gamble Manufacturing Co.
- \* Radio Corporation of America
- \* Western Electric Corp.
- \* Winn-Dixie Stores, Inc.

*\*repeat orders*

# **CLARK DOOR COMPANY, INC.**

**521 HUNTERDON STREET • NEWARK 8, NEW JERSEY**

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